



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010656
CERTIFICATION DATE: October 1, 2013
DATE RECERTIFICATION DUE: March 30, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

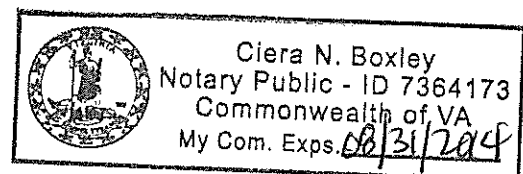
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 9th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/4/2013

HMS
DBH

Instrument Serial Number:	010656	As of 04-Oct-13
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
01-Oct-13	01-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
18-Apr-13	18-Apr-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Nov-12	07-Nov-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
22-May-12	22-May-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
08-Dec-11	08-Dec-11	DBH (21250)	CERTIFIED
29-Jun-11	29-Jun-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
07-Jan-11	07-Jan-11	DBH (21250)	CERTIFIED
22-Jul-10	22-Jul-10	DBH (21250)	CERTIFIED
03-Mar-10	03-Mar-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
16-Nov-09	16-Nov-09	DBH (21250)	CERTIFIED
26-May-09	26-May-09	HMS (18910)	REPLACED PRINTER, CERTIFIED.
19-Mar-09	19-Mar-09	HMS (18910)	CERTIFIED.
13-Mar-09	13-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
09-Feb-09	09-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

Handwritten initials/signature

Instrument Serial Number **010656** Worksheet Start Date **10/1/2013**

Location **Little Creek Naval Base**

Address **1175 Nider Blvd., Norfolk, VA 23521**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no. 

E-Seek
Keyboard
Printer
UPS

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Maintenance (if any)

Firmware/software upgrade.

Comments (if any)



Instrument Serial Number 010656

Certification Date 10/1/2013

Instrument Barometer (mm HG) 764

Reference Barometer (mm HG) 764

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.251	0.243	0.258	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.249
0.001		0.249	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.151	0.146	0.155	Sample 2	0.154
Precision		sample min	sample max	Sample 3	0.153
0.001		0.153	0.154		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG211702-14

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

DFS Technician

Heath W. Starn

Date

10/4/13

Issuing Analyst

M. L. Kennedy

Date

10/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/01/2013
TEST EQUIPMENT NUMBER 010656		

RESULTS: TIME SAMPLE TAKEN 10:38 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 01 Oct 2013 at 11:08

sch
lines
MOK

Test Results

Instrument Serial Number 010656

Test # 000201 Subject Test

Test Location 1 Department of
Test Date 01 Oct 2013

Test Location 2 Forensic Science
Test Time 10:32
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Oct 2013 End Time 10:39

Result Time 10:38

Result Date 01 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:32

Data Type BLK

Sample Value 0.000

Sample Time 10:33

Data Type CHK

Sample Value 0.102

Sample Time 10:34

Data Type BLK

Sample Value 0.000

Sample Time 10:35

Data Type SUBJ

Sample Value 0.000

Sample Time 10:36

Data Type BLK

Sample Value 0.000

Sample Time 10:37

Data Type SUBJ

Sample Value 0.000

Sample Time 10:38

Data Type BLK

Sample Value 0.000

Sample Time 10:39

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG211702-14

Standard Expiration Date 04/26/2014

Tank Pressure 188

Barometric Pressure 764 mmHg

Blow Sample Number 1 Blow Duration 3.69 sec

Blow Volume 1704 cc End-of-Blow Time 10:36

Blow Sample Number 2 Blow Duration 3.70 sec

Blow Volume 1722 cc End-of-Blow Time 10:38

Tamper Evident Stamp 9e5d70d7

Test Status Code 0

Test Status Success

AMS
MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 202

Test Date: 10/01/2013 Test Time: 10:40 EDT

Dry Gas Target: 0.101

Lot Number: AG211702-14 Exp Date: 04/26/2014

Tank Pressure: 188 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:41
CHK	0.102	10:41
BLK	0.000	10:43
CHK	0.102	10:44
BLK	0.000	10:45
CHK	0.102	10:46

Test Status: *Success*

Calibration CRC: ED307293

AMS

MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 203

Test Date: 10/01/2013 Test Time: 10:48 EDT

Dry Gas Target: 0.302

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 208 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:49
CHK	0.304	10:49
BLK	0.000	10:51
CHK	0.303	10:52
BLK	0.000	10:53
CHK	0.303	10:54

Test Status: *Success*

Calibration CRC: ED307293

MS

MS

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010656

System Date: 10/01/2013

System Time: 11:26 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Handwritten signatures

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010656 Test Number: 204

Test Date: 10/01/2013 Test Time: 11:28 EDT

Dry Gas Target: 0.101

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 678 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:29
CAL	0.101	11:30

Test Status: *Success*

Calibration CRC: 237DD915

Handwritten:
HMS
NASH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 205
Test Date: 10/01/2013 Test Time: 11:33 EDT

Technician Initials: HMS

Dry Gas Target: 0.251

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 605 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:33
BLK	0.000	11:34
CHK	0.250	11:35
BLK	0.000	11:36
CHK	0.250	11:37
BLK	0.000	11:39
CHK	0.249	11:39
BLK	0.000	11:41

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
Mull

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 206
Test Date: 10/01/2013 Test Time: 11:42 EDT

Technician Initials: HMS

Dry Gas Target: 0.151

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 129 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:43
BLK	0.000	11:43
CHK	0.153	11:44
BLK	0.000	11:46
CHK	0.154	11:46
BLK	0.000	11:48
CHK	0.153	11:48
BLK	0.000	11:50

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
MSH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 207
Test Date: 10/01/2013 Test Time: 11:51 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 134 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:52
BLK	0.000	11:53
CHK	0.081	11:53
BLK	0.000	11:55
CHK	0.081	11:55
BLK	0.000	11:57
CHK	0.081	11:57
BLK	0.000	11:59

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
Wdl

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 208
Test Date: 10/01/2013 Test Time: 12:00 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 213 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:01
BLK	0.000	12:01
CHK	0.019	12:02
BLK	0.000	12:03
CHK	0.019	12:04
BLK	0.000	12:05
CHK	0.019	12:06
BLK	0.000	12:07

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS

AWK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 209

Test Date: 10/01/2013 Test Time: 12:12 EDT

Dry Gas Target: 0.301

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 203 psi Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:13
CHK	0.304	12:13
BLK	0.000	12:15
CHK	0.304	12:16
BLK	0.000	12:18
CHK	0.304	12:19

Test Status: *Success*

Calibration CRC: 237DD915

AMS
RML

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 210

Test Date: 10/01/2013 Test Time: 12:21 EDT

Dry Gas Target: 0.100

Lot Number: AG211702-14 Exp Date: 04/26/2014

Tank Pressure: 178 psi Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:22
CHK	0.101	12:22
BLK	0.000	12:24
CHK	0.101	12:25
BLK	0.000	12:26
CHK	0.101	12:27

Test Status: *Success*

Calibration CRC: 237DD915




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: JMS and WSK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/01/2013
TEST EQUIPMENT NUMBER 010656		

RESULTS: TIME SAMPLE TAKEN 12:35 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 04 Oct 2013 at 08:23

Handwritten initials: JWS and WSL

Test Results

Instrument Serial Number 010656

Test # 000211 Subject Test

Test Location 1 Department of
Test Date 01 Oct 2013

Test Location 2 Forensic Science
Test Time 12:29
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Oct 2013 End Time 12:36

Result Time 12:35

Result Date 01 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:29

Data Type BLK

Sample Value 0.000

Sample Time 12:30

Data Type CHK

Sample Value 0.101

Sample Time 12:31

Data Type BLK

Sample Value 0.000

Sample Time 12:32

Data Type SUBJ

Sample Value 0.000

Sample Time 12:33

Data Type BLK

Sample Value 0.000

Sample Time 12:34

Data Type SUBJ

Sample Value 0.000

Sample Time 12:35

Data Type BLK

Sample Value 0.000

Sample Time 12:36

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG211702-14

Standard Expiration Date 04/26/2014

Tank Pressure 174

Barometric Pressure 763 mmHg

Blow Sample Number 1 Blow Duration 3.66 sec

Blow Volume 1769 cc End-of-Blow Time 12:33

Blow Sample Number 2 Blow Duration 3.74 sec

Blow Volume 1735 cc End-of-Blow Time 12:35

Tamper Evident Stamp 281e4bde

Test Status Code 0

Test Status Success